

1. Accelerated Genomics Corporation

Development of gene(s) specific TDGS assay kits for research and diagnostic use.

2. Researcher B

Research and diagnostic use of gene(s) specific TDGS assay produces highly reproducible gene specific two-dimensional spot pattern.

2. Researcher A

Research and diagnostic use of gene(s) specific TDGS assay produces highly reproducible gene specific two-dimensional spot pattern.

2. Researcher C

Research and diagnostic use of gene(s) specific TDGS assay produces highly reproducible gene specific two-dimensional spot pattern.

2b. Formatting of gel image (option A)

3. Data collection

Submission and centralized collection of product, individual and gene(s) specific two-dimesnional spot patterns

2b. Formatting of gel image (option A)

7. Retrieval of information from the database for both research and diagnostic purposes.

7'

4. Pattern formatting

Standardization of two-dimensional spot patterns (option B) 7. Retrieval of information from the database for both research and diagnostic purposes.

(TX) Internet 7

5. Data assembly (DB)

Centralized data storage and assembly of image pattern based data library.

6. Research tools to assemble and correlate information from thousands of individuals

- 6a. Match spot patterns to specific nucletide sequences to create highly comprehensive population variant maps for all/most gene coding regions.
- 6b. Comparison of gene specific spot patterns for extensive comparative population genetics and establishment of genotype/phenotype correlation.
- 6c. Comparison of multiple individuals and genes (phenotype/geneotype) to develop multigene marker systems of high economic and clinical utility.
- 6d. Reference of image patterns of marker systems for highly informative applied genetic testing.

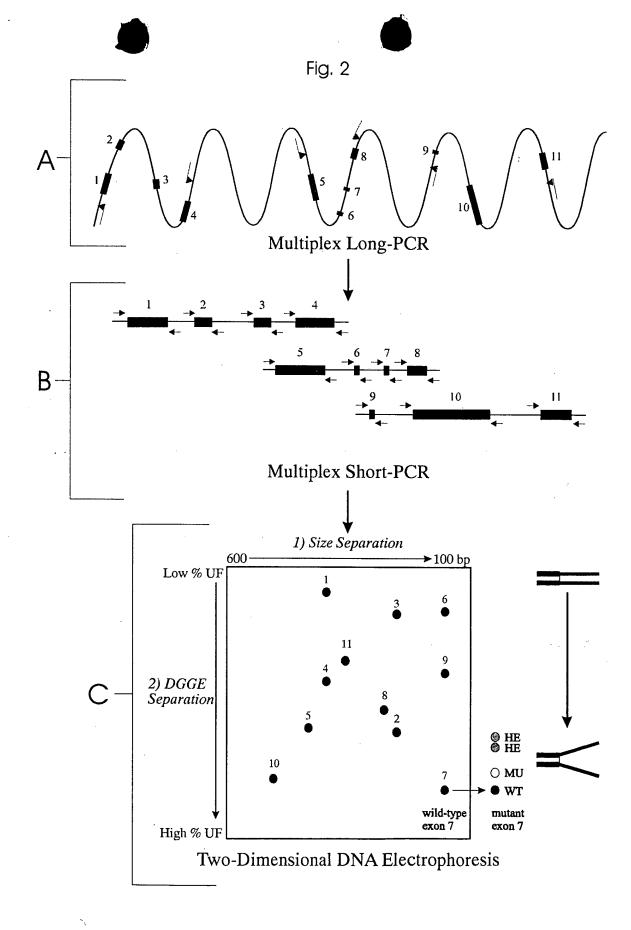


Fig. 3

